SEQUENCE LISTING

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MORRIS, AARON J.

<120> METHODS AND REAGENTS FOR ISOLATING BIOLOGICALLY ACTIVE PEPTIDES

<130> MIV-106.01

<140> 09/174,943
<141> 1998-10-19

<160> 8

<170> PatentIn Ver. 2.0

<210> 1
<211> 527
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM6 M13/COS peptide expression plasmid

<220>
<221> CDS
<222> (124..222, 226..417)

<400> 1
cgcaattact gtgagttagc tcactcatta ggcaccccag gctttacact ttatacttcc 60

ggctcgtata ttgtgtggaa ttgtgagcgg ataacaattt ctagaaggaa acaggtaagt 120

atg aaa aaa tta tta ttc gca att cct tta gtt gtt cct ttc tat tct 168
Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser
1 5 10 15

cac tcc gct gaa tta ctg aca tcc act ttg cct ttc tct cca cag ggg 216
His Ser Ala Glu Leu Leu Thr Ser Thr Leu Pro Phe Ser Pro Gln Gly
20 25 30

gcc acc atg aaa tgc agc tgg gtt atc ttc ttc ctg atg gca gtg gtt 264
Ala Thr Lys Cys Ser Trp Val Ile Phe Phe Leu Met Ala Val Val
35 40 45

aca ggg gtc aat tca gca cca ggc gga tgg gcg gcc gca gag caa aag 312
Thr Gly Val Asn Ser Ala Pro Gly Gly Trp Ala Ala Ala Glu Gln Lys
50 55 60

ctc att tct gaa gag gac ttg gca cac cat cac cat cac cat ctg cag 360
Leu Ile Ser Glu Glu Asp Leu Ala His His His His His His Leu Gln
65 70 75

cca tta tct tgg cag gta agt gct gag ggt gac gat ccc ttc acc tcg 408
Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser

80 85 90

aaa gca agc tgataaagtc taagcccgcc taatgagcgg gcttttttt 457
Lys Ala Ser
95

tactgacatc ctcgaggcct ttctctccac aggggtagat aactgaactt gtttattgca 517

gattataatg 527

<210> 2
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM6

<400> 2
Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser His
1 5 10 15

Ser Ala Glu Leu Leu Thr Ser Thr Leu Pro Phe Ser Pro Gln Gly Ala
20 25 30

Thr Lys Cys Ser Trp Val Ile Phe Phe Leu Met Ala Val Val Thr Gly
35 40 45

Val Asn Ser Ala Pro Gly Gly Trp Ala Ala Ala Glu Gln Lys Leu Ile
50 55 60

Ser Glu Glu Asp Leu Ala His His His His His His Leu Gln Pro Leu
65 70 75 80

Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser Lys Ala
85 90 95

Ser

<210> 3
<211> 488
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM7 M13/COS
peptide expression plasmid

<220>
<221> CDS
<222> (25..78, 193..378)

<400> 3
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Lys Cys Ser Trp Val Ile Phe Phe Leu

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atg gca gtg gtt aca ggg gtc aat tca ggtaagtgag ttagctcact                98
Met Ala Val Val Thr Gly Val Asn Ser
 10                  15

cattaggcac cccaggcttt acactttata cttccggctc gtatattgtg tggaattgtg       158

agcggataac aatttcacac aggaaacagc tatg aaa atc aaa ctg gcg tta           210
                                    Lys Ile Lys Leu Ala Leu
                                         20

ctc gcc ctg act tct ctt tct gct ctt gca ggt cca ggc gga tgg gcg         258
Leu Ala Leu Thr Ser Leu Ser Ala Leu Ala Gly Pro Gly Gly Trp Ala
 25                  30                  35                  40

gcc gca gag caa aag ctc att tct gaa gag gac ttg gca cac cat cac         306
Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His
                 45                  50                  55

cat cac cat ctg cag cca tta tct tgg cag gta agt gct gag ggt gac         354
His His His Leu Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp
             60                  65                  70

gat ccc ttc acc tcg aaa gca agc tgataaagtc taagcccgcc taatgagcgg       408
Asp Pro Phe Thr Ser Lys Ala Ser
         75                  80

gctttttttt tactgacatc ctcgaggcct ttctctccac aggggtagat aactgaactt      468

gtttattgca gattataatg                                                  488


<210> 4
<211> 80
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM7

<400> 4
Lys Cys Ser Trp Val Ile Phe Phe Leu Met Ala Val Val Thr Gly Val
  1               5                  10                  15

Asn Ser Lys Ile Lys Leu Ala Leu Leu Ala Leu Thr Ser Leu Ser Ala
             20                  25                  30

Leu Ala Gly Pro Gly Gly Trp Ala Ala Ala Glu Gln Lys Leu Ile Ser
         35                  40                  45

Glu Glu Asp Leu Ala His His His His His His Leu Gln Pro Leu Ser
     50                  55                  60

Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser Lys Ala Ser
 65                  70                  75                  80
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<210> 5
<211> 426
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM8 M13/COS
peptide expression plasmid

<220>
<221> CDS
<222> (121)..(324)

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ggctcgtata ttgtgtggaa ttgtgagcgg ataacaattt ctagaaggaa agccaccatg 120

tct atc caa cac ttc cgt gtt gca tta atc cct ttc ttt gca gcg ttc 168
Ser Ile Gln His Phe Arg Val Ala Leu Ile Pro Phe Phe Ala Ala Phe
1 5 10 15

tgt tta cct gtt ttc gca ggt cca ggc gga tgg gcg gcc gca gag caa 216
Cys Leu Pro Val Phe Ala Gly Pro Gly Gly Trp Ala Ala Ala Glu Gln
20 25 30

aag ctc att tct gaa gag gac ttg gca cac cat cac cat cac cat ctg 264
Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His His His His Leu
35 40 45

cag cca tta tct tgg cag gta agt gct gag ggt gac gat ccc ttc acc 312
Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr
50 55 60

tcg aaa gca agc tgataaagtc taagcccgcc taatgagcgg gctttttttt 364
Ser Lys Ala Ser
65

tactgacatc ctcgaggcct ttctctccac aggggtagat aactgaactt gtttattgca 424

ga 426

<210> 6
<211> 68
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM8

<400> 6
Ser Ile Gln His Phe Arg Val Ala Leu Ile Pro Phe Phe Ala Ala Phe
1 5 10 15

Cys Leu Pro Val Phe Ala Gly Pro Gly Gly Trp Ala Ala Ala Glu Gln

20 25 30

Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His His His His Leu
35 40 45

Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr
50 55 60

Ser Lys Ala Ser
65

<210> 7
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Thrombospondin derived peptide

<400> 7
Ser Pro Trp Ser Ser Ala Ser Val Thr Cys Gly Asp Gly Val Ile Thr
1 5 10 15

Arg Ile Arg

<210> 8
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: RGD motif

<400> 8
Cys Asp Cys Arg Gly Asp Cys Phe Cys
1 5